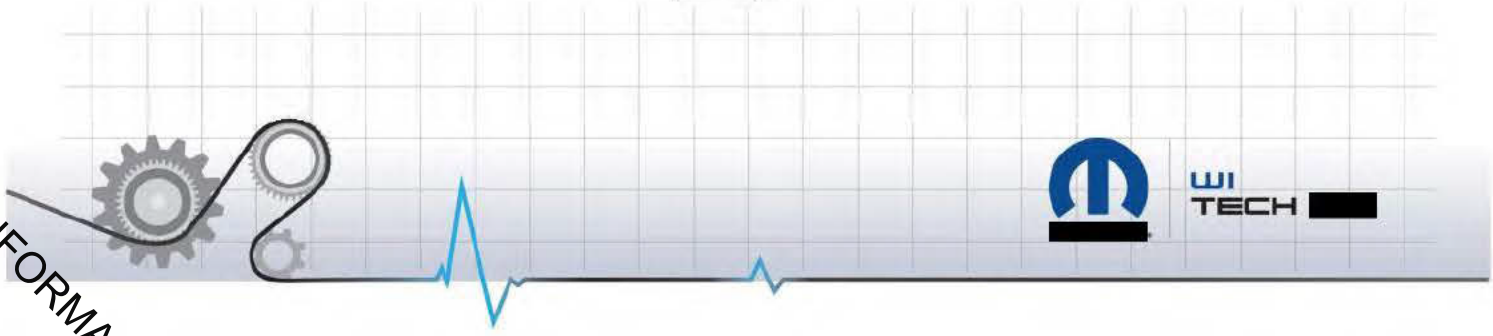

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT, 5 U.S.C. § 552 (B) (6)

CONFIGURATION REPORT

Vehicle [redacted] JEEP WRANGLER(PHEV) 2.0L I4 DOHC DI TURBO PHEV ENGINE
VIN [redacted]

Odometer [redacted]
Publication Date [redacted]

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
PCM	Powertrain Control Module	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
ICS	Integrated Center Stack	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
RFH	Radio Frequency Hub	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
ESM	Electronic Shifter	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
DTCM	Drive Train Control Module	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
ORC	Occupant Restraint	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
EPS	Electric Power Steering	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
HVAC	Heat, Ventilation and A/C	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
CSWM	Comfort Seat Wheel Module	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
AMP	Amplifier	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
IPC	Instrument Panel Cluster	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
SCCM	Steering Column Control Module	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
BCM	Body Controller	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
RADIO	Radio	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OCM	Occupant Classification	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
BPCM	Battery Pack Control Module	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
HCP	Hybrid Control Processor	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
AHCP	Auxiliary Hybrid Control Processor	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

ABSO	Anti Lock Brakes	CAN-C	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted] Module	[redacted]	[redacted]		[redacted]	[redacted]
DPDM	Driver Presence Detection Module	CAN-C	[redacted]	[redacted]	[redacted]	[redacted]
IDCM	Integrated Dual Charge Module	CAN-C	[redacted]	[redacted]	[redacted]	[redacted]

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ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM	[redacted]	[redacted]				[redacted]
PCM	[redacted]					[redacted]
ICS	[redacted]					
RFH	[redacted] / [redacted]					
ESM	[redacted]					
DTCM	[redacted]					
ORC	[redacted]					
EPS	[redacted]					
HVAC	[redacted]					
CSWM	[redacted]					
AMP	[redacted]					
IPC	[redacted]					
SCCM	[redacted]					
BCM	[redacted]					
RADIO	[redacted]					
OCM	[redacted]					
BPCM	Rest of world / ROW					[redacted]
HCP	[redacted]					[redacted]
AHCP	[redacted]					
ABSO	[redacted]					[redacted]
SGW						
DPDM	[redacted]					
IDCM	[redacted]					

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CONFIGURATION

TCM CONFIGURATION

NAME	VALUE	UNITS
Autostick/ERS On/Off Switch Equipped	[redacted]	
Paddle-Shift Switches Equipped		
Shifter with Sport Mode Position Equipped		
Shifter with Low Mode Position Equipped		

Sport Mode Switch or Virtual Switch (Non-Terrain) Equipped	[redacted]
Overdrive Off or Tow Haul Mode Switch or Virtual Switch (Non-Terrain) Equipped	
ECO/Optimizer Switch Equipped	
ERS/Autostick/Tip Non-paddle on Steering Wheel equipped	
ERS/Autostick/Tip Non-paddle on Shifter in D position equipped	
ERS/Autostick/Tip Non-paddle on Shifter in A or M position equipped	
FWD Equipped	
RWD Equipped	
AWD Equipped	
4WD with switchable Lo Range equipped	
Engine Start/Stop equipped	
Polystable E-shift (Cableless without return-to-center) equipped	
Long Learn Enabled	
Short Learn Enabled	

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PCM CONFIGURATION

NAME	VALUE	UNITS
AC Equipped	[redacted]	
AC Equipped Over Bus		
Power Steering Switch Equipped		
[redacted] Integrated Cruise Control		
EMAT (Getrag DCT transmission) Equipped		
Vehicle Speed Sensor #1 Calculated from CAN		
Police Package Equipped		
Unleaded Gasoline Fuel		
Unleaded diesel fuel		
[redacted] V8 Engine		
4 Speed Automatic Transmission Equipped		
Electronic Automatic Transmission (EATX) Equipped		
Vehicle Speed Sensor #1 Calculated by ECU		
[redacted] V8 Engine		
[redacted] V8 Engine		
[redacted] V8 Engine		
Sensorless FFV Enabled		
Electronic Throttle Control Equipped		
[redacted] Engine		
4.0 Liter I6 Engine		
[redacted] Engine		
[redacted] Engine		
[redacted] V6 Engine		
[redacted] Engine		
[redacted] V6 Engine		

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Viscosity Sensor Equipped	[redacted]
Duty Cycle Purge Valve Equipped	
Electric Thermostat Heater Equipped	
Exhaust Cam 1 Equipped	
Intake Cam 1 Equipped	
[redacted] WI4 engine	
[redacted] WI4 engine	
[redacted] WI4 engine	
[redacted] ngine	
Tumble Generator Valve Equipped	
Hybrid Electric Vehicle Equipped	
Auxiliary Heater Electric Water Pump Equipped	
Dual Speed Fuel Pump Equipped	
Exhaust Cam 2 Equipped	
Intake Cam 2 Equipped	
1 Speed Fan Mechanical Relay System Equipped	
2 Speed Fan Mechanical Relay System Equipped	
2 Speed Fan PWM Relay System Equipped	
Linear PWM Fan Relay System Equipped	
PWM Fan Motor System Equipped	
3 Speed Fan Mechanical Relay System Equipped	
Fan Wake Up Relay System Equipped	
2 Speed Fan 3 [redacted] 3 Relay System Equipped	
[redacted] / [redacted] / [redacted]	
[redacted]	
[redacted] / [redacted] / [redacted]	
[redacted]	
[redacted] / [redacted]	
VLP Is Learnable Indicator	
VLP Equipped Indicator	
VFS Actuators Available Indicator	
ERS Equipped Indicator	
Engine Software In Package	
Transmission Software Included	
ICC Cruise Equipped	
ETC Cruise equipped	
Adaptive Cruise Control Equipped	
A/C Equipped	
Adaptive Cruise Control Hardware Equipped	
DUAL_ALTERNATOR_GEN1_LEARNEDCOPY	
TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED	
GPEC2 Equipped	

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[redacted] Equipped
[redacted] Equipped
Cummins Equipped
[redacted] Equipped
VMM Equipped
Powernet Equipped
CUSW ([redacted]) Equipped
CUSW ([redacted]) Equipped
[redacted] Equipped
Next Gen Bus Equipped
Constant Heater Temperature Control Valve Equipped
High Side Port Tumble Valve Equipped
CMCV H[redacted] Equipped
Turbine Volute Valve Actuator Equipped
[redacted] H-[redacted] Equipped
Active Exhaust Valve Equipped
Active Exhaust Pressure Sensor Equipped
Engine Idle Shutoff Equipped
Aisin [redacted] RWD Transmission Equipped
Cooled EGR Equipped
Supercharger Equipped
Low Temperature Radiator Coolant Pump Equipped
Mechanical Coolant Pump Heater Equipped
Auxiliary Coolant Pump Heater Equipped
Compressed Natural Gas Equipped
CUSW PROXI Write Programming Support Enabled
Active Engine Mount Equipped
ZF 9[redacted] Transmission Equipped
HPT [redacted] Transmission Equipped
Variable Speed Fuel Pump Equipped
Operator Idle Speed Request Equipped
PTO System Equipped
Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped
Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped
Dual Stage Oil Pump Equipped
Auxiliary Coolant Pump Equipped
Trans Skip Shift Equipped
Trans Reverse Lockout Equipped
Port Flap Valve Equipped
Brushless PWM Fan Equipped
[redacted] V8 Engine

[redacted]

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF
S.C. 552 (B) (6)

Primary Lin Alternator Equipped
Coolant On-Off Pump Equipped
Oil Pressure Sensor Enabled
[redacted] VIN Learning Strategy Equipped
Dual Fuel Tank Equipped
Yaw Rate Sensor ESC Equipped
[redacted] I3 Engine
Coolant On-Off Valve Equipped
Buffered Crank Output for ANC (Active Noise Cancellation) Equipped
Buffered Crank Output for PHEV Engine Pulse Calculation Equipped
Throttle Inlet Temp Sensor Equipped
Humidity, Temperature and Pressure Sensor (LIN) Equipped
Dual Fuel Pressure Sensor Equipped
Brake Pedal Sensor Equipped
Dual Fuel Tank Equipped
PTO System Equipped
Low Temp Radiator Coolant Pump Equipped
Engine Idle Shutoff Equipped
A/C Relay Powered from Engine Switched Battery
CNG Large Gas Tank Equipped
Cooled EGR Equipped
Supercharger Equipped
Hybrid MEC Shifter Equipped
Dual Alternator [redacted] Capable
Auxillary Coolant Pump Equipped
ZF 9-Speed Trans Equipped
HPT [redacted] Trans Equipped
CUSW [redacted] Cruise Equipped
Power Steering Angle Sensor Mandatory
Throttle Inlet Temp Sensor Equipped
LIN Humidity, Temp, and Pressure Sensor Equipped
Dual Fuel Pressure Sensor Equipped
Brake Pedal Sensor Equipped
Clutch Sensor Equipped
SWAP HARDWIRED BRAKE SWITCH INPUTS
Mass Airflow System Equipped
Bi-Directional Crank Sensor Equipped
5 Button Cruise (LIN) Equipped
Operator Idle Speed Request Equipped
INTAKE [redacted] EQUIPPED
Cylinder Pressure Sensor Equipped
Make Up Air Sensor Equipped

[redacted]

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF [redacted] TION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Active Exhaust Pressure Sensor Equipped	[redacted]	
Secondary Mass Airflow Sensor Equipped		
[redacted] I3 Engine		
[redacted] Engine		
Variable Valve Lift Equipped		
Coolant On-Off Pump Equipped		
Primary Lin Alternator Equipped		
Electronic Parking Brake Equipped		
Active Exhaust Valve(s) Equipped		
Mechanical Coolant Pump Equipped		
Aux Coolant Pump Heater Equipped		
Heater Temp Control Valve Equipped		
High Side Port Tumble Valve Equipped		
Wastegate HBridge Equipped		
Remote Start Present		
Engine Oil Pressure Sensor Type	[redacted]	None

ICS CONFIGURATION

NAME	VALUE	UNITS
Display Type (Base)	[redacted]	
Display Type (Mid)		
Display Type (High)		

RFH CONFIGURATION

NAME	VALUE	UNITS
PIN Successfully Programmed	[redacted]	
VIN Successfully Programmed		
Valid Key In Ignition		
Keyless Go		
Ignition system type connected		
e-shifter present		
Auto Park Present		
Secret Codes Programmed		
Passive Entry		
RKE		
Module Configuration Status		
Remote Start Present		
[redacted] Programmed by		
Hardware Configuration: Remote Start Antenna		
Hardware Configuration: Front Left Door Handle H/W		
Hardware Configuration: Front Right Door Handle H/W		
Hardware Configuration: Rear Left Door Handle H/W		

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Hardware Configuration: Rear Right Door Handle H/W	[redacted]
Hardware Configuration: Trunk Door Handle H/W	
RFHub Locked	
Fob Location #1 Successfully Programmed	
Fob Location #2 Successfully Programmed	
Fob Location #3 Successfully Programmed	
Fob Location #4 Successfully Programmed	
Fob Location #5 Successfully Programmed	
Fob Location #6 Successfully Programmed	
Fob Location #7 Successfully Programmed	
Fob Location #8 Successfully Programmed	
Back Up Vehicle Config 1	
Back Up Vehicle Config 2	
Back Up Vehicle Config 3	
Back Up Vehicle Config 4	
Back Up Vehicle Config 5	
Back Up Vehicle Config 6	
Back Up Vehicle Config 7	
Back Up ECU Configuration 1	
Back Up ECU Configuration 2	
Back Up ECU Configuration 3	
Back Up ECU Configuration 4	
Back Up ECU Configuration 5	
Back Up ECU Configuration 6	
Back Up ECU Configuration 7	
Back Up ECU Configuration 8	
Back Up ECU Configuration 9	
Back Up ECU Configuration 10	
Back Up ECU Configuration 11	
Back Up ECU Configuration 12	
Back Up ECU Configuration 13	
Back Up ECU Configuration 14	
Back Up ECU Configuration 15	
Back Up ECU Configuration 16	
Back Up ECU Configuration 17	
Back Up Customer Settings Menu 1 ([redacted])	
Back Up Customer Settings Menu 2 ([redacted])	
Back Up Programmed ECUs: Cabin Network	
Back Up Programmed ECUs: P/T Chassis Network	
Secret Key Sent to Body Controller - Most recent attempt	
Secret Key Sent to Body Controller - Original attempt	
Base TPM Present	

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B)(6)

Full Size Matching Spare Tire Present	[redacted]
ECU Ship Status	[redacted]
Tire Pressure System	
Selectable Tire Fill Alert	
TPM Auto-Locate Enabled	
TPMS Configuration	

DTCM CONFIGURATION

NAME	VALUE	UNITS
Full-Time T-Case	[redacted]	
Front Locker Present		
Rear Locker Present		
FAD Present		
Mode Switch Present		
Left/Right Hand Drive		
Axle Ratio	[redacted]	
T-Case Type	[redacted]	
SRT Present	--	

ORC CONFIGURATION

NAME	VALUE	UNITS
Rollover Sensing	[redacted]	
EPPM		
Occupant Classification (OCM)		
[redacted] Driver Seatbelt Buckle Switch		
[redacted] Passenger Seatbelt Buckle Switch		
[redacted] Left seat belt Switch		
Second Row Center seat belt Switch		
[redacted] w Right seat belt Switch		
Driver Seat Track Position Sensor		
Passenger Seat Track Position Sensor		
Passenger Occupant Detection Sensor		
Passenger Airbag Disable Switch		
Passenger Airbag Disable Indicator		
Driver Frontal Squib 1		
Driver Frontal Squib 2		
Driver Frontal Squib 3		
Passenger Frontal Squib 1		
Passenger Frontal Squib 2		
Passenger Frontal Squib 3		
Driver Knee Bolster Squib		
Passenger Knee Bolster Squib		

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF IN[redacted]OIA), 5 U.S.C. 552 (B)(6)

Driver Seatbelt Retractor Pretensioner	[redacted]
Passenger Seatbelt Retractor Pretensioner	
Driver Seatbelt Load Limiter	
Passenger Seatbelt Load Limiter	
Driver Seatbelt Anchor Pretensioner	
Passenger Seatbelt Anchor Pretensioner	
Driver Seatbelt Buckle Pretensioner	
Passenger Seatbelt Buckle Pretensioner	
Left Curtain Squib 1	
Right Curtain Squib 1	
Left Side Seat Squib 1	
Right Side Seat Squib 1	
[redacted] Left Seat Side Airbag	
Second Row Right Seat Side Airbag	
Driver Frontal Squib 4	
Passenger Frontal Squib 4	
Left Up-Front Acceleration Sensor	
Right Up-Front Acceleration Sensor	
Right B-Pillar Impact Acceleration Sensor	
Left B-Pillar Impact Acceleration Sensor	
Left C-Pillar Impact Acceleration Sensor	
Right C-Pillar Impact Acceleration Sensor	
Right D-Pillar Impact Acceleration Sensor	
Left D-Pillar Impact Acceleration Sensor	
Left Side Door Pressure Sensor	
Right Side Door Pressure Sensor	
Configuration Column Identifier	

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INF[redacted]ION ACT (FOIA), 5 U.S.C. 552 (B) (6)

HVAC CONFIGURATION

NAME	VALUE	UNITS
DualZone ATC Control (Factory)	[redacted]	
DualZone ATC Control		
Dual Zone MTC Control		
Single Zone MTC Control		
MTC With EBL ([redacted])		
MTC Without EBL ([redacted])		
MTC heater only ([redacted])		

AMP CONFIGURATION

NAME	VALUE	UNITS
ANC Calibration Date - Year	[redacted]	
ANC Calibration Date - Week		

[redacted]C Calibration Date - Patch	[redacted]
Current [redacted] Calibration ID - Service	[redacted]
[redacted]C Status	[redacted]
Surround Sound Activated	
Door Module - Left Front	
Door Module - Right Front	
Premuim - 1	
Premuim - 2	
Premuim - [redacted]	
Non - [redacted]	
No Rear Doors	
No [redacted]	

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IPC CONFIGURATION

NAME	VALUE	UNITS
Main Fuel Tank Gauge - Empty Stop Calibration	[redacted]	
Main Fuel Tank Gauge - [redacted] Datum Calibration	[redacted]	
Main Fuel Tank Gauge - [redacted] Datum Calibration	[redacted]	
Main Fuel Tank Gauge - [redacted] Calibration	[redacted]	
Main Fuel Tank Gauge - Full Stop Calibration	[redacted]	
Sub Fuel Tank Gauge - Empty Stop Calibration	[redacted]	
Sub Fuel Tank Gauge - [redacted] Datum Calibration	[redacted]	
Sub Fuel Tank Gauge - [redacted] Datum Calibration	[redacted]	
Sub Fuel Tank Gauge - [redacted] Calibration	[redacted]	
Sub Fuel Tank Gauge - Full Stop Calibration	[redacted]	

SCCM CONFIGURATION

NAME	VALUE	UNITS
Rear Wiper	[redacted]	
Tilt Telescope		
Paddle Shifter		
Cruise Control / ACC		

[redacted] CONFIGURATION

NAME	VALUE	UNITS
RBSM	[redacted]	
LBSM		
[redacted]M (Interior Bus)		
[redacted]		
[redacted]		
[redacted]		
Radio		

SessionID [redacted]

ITM	[redacted]
AMP	
EDM	
HVAC_R	
TBM	
AHLM/AFLS	
ASDM	
BCM (P/T)	
DTCM	
PCM	
EPS	
ESM	
ABS	
RFH	
IPC	
ORC	
PTS	
SCCM	
ELSD	
TCM	
TPM	
AFLS	
ITBM	
OCM	
DPDM	
SGW	
ASBS	
ANC	
Number of Reprogramming Attempts - Counter #0	
Vehicle Configuration Programmed Status	
Last Programmed Status	
Last Configuration Odometer	miles
Vehicle Configuration Auto Write Counter	
Vehicle Configuration 1 - Write Counter	
Vehicle Configuration 2 - Write Counter	
Vehicle Configuration 3 - Write Counter	
Vehicle Configuration 4 - Write Counter	
Vehicle Configuration 5 - Write Counter	
Vehicle Configuration 6 - Write Counter	
Programmed ECUs: Cabin Network	
Programmed ECUs: P/T Chassis Network	
Programmed Network Configuration - Audio / Telematics Network	

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Programmed ECUs: Hybrid LAN Network	[redacted]
ECU Configuration 1 (CBC Configurable Inputs and Outputs)	
ECU Configuration 2 (CBC Features)	
ECU Configuration 3	
ECU Configuration 4	
ECU Configuration 5 (Wireless)	
ECU Configuration 5 (Doors)	
ECU Configuration 5 (Memory)	
ECU Configuration 6 (Brake)	
ECU Configuration 6 (Suspension)	
ECU Configuration 6 (Powertrain)	
ECU Configuration 6 (Safety)	
ECU Configuration 7 (CBC Exterior Lighting Calibrations)	
ECU Configuration 8 (LIN and Miscellaneous)	
ECU Configuration 9A	
ECU Configuration 9 (ITM)	
ECU Configuration 10	
ECU Configuration 11	
ECU Configuration 12	
ECU Configuration 13	
ECU Configuration 14	
ECU Configuration 15 (CBC Features)	
ECU Configuration 15 (Suspension)	
Vehicle Configuration 7 - Write Counter	
Vehicle Config CSM1	
Vehicle Config CSM2	
Model Year	
Vehicle Line	
Country Code	
Left/Right Hand Drive	
Remote Start Present	
Drive Configuration	
Emode Present	
Auto Highbeam	
Body Style	
Maximum Vehicle Speed	[redacted]
Shifter Type	
Performance Pages Present	
Special Packages	
PTS Configuration	
Hill Descent Feature Present	
Select Speed Control Feature Present	

INFORMATION REDACTED PURSUANT TO THE FREED[illegible]A), 5 U.S.C. 5[illegible]2 (B)(6)

Power Inverter Type	[redacted]	
[redacted] Present	[redacted]	
Rain Sensor Present		
[redacted] System Present		
Air Conditioning Present		
Cruise Feature is Present		
Flipper Glass Present		
Full Size Spare		
Off Road Capable		
Special Package		
Max Load Inflation Pressure Rear Tire		PSI
Max Load Inflation Pressure Front Tire		PSI
Light Load Inflation Pressure Rear Tire		PSI
Police Lighting Feature		
Power Lift Gate Present		
Power Right Sliding Door Present		
Power Left Sliding Door Present		
[redacted] System Present		
Sunshade Present		
T-Case Type		
Wheel Base		
FOBIK Safe Enable		
ELV Present		
Fuel Capacity		gallons
Window Express Feature Configuration		
Adjustable Pedal Feature Present (non-Memory)		
Auto Headlamp Feature Present		
Door Alert Feature Present		
[redacted] Present		
Vehicle is an SRT		
Disable Display of Radio Clock		
Chassis Type		
Display Outside Temperature Present		
HVAC Configuration		
Vehicle Brand		
Display Compass Heading Present		
Interior EC Mirror Present		
ESCL system present		
High Intensity Discharge Head Lamps		
Secondary Lock Present		
Liftgate/Trunk Type		
Collision Mitigation System present		

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Forward Collision Warning present	[redacted]
Base [redacted] system present	
Premium [redacted] system present	
Paddle Shift Feature Present	
Sport Mode Present	
Auto Park Present	
Passive Entry Present	
Keyless Go Present	
Transfer Case High Ratio	No Unit
Axle Ratio	
Transfer Case Low Range Reduction Ratio	
Dynamic Tire Circumference (All or Rear)	[redacted]
Dual Rear Wheel (DRW) Vehicle Present	
Non-Regulated [redacted] ([redacted]) Present	
Steering Ratio at [redacted]	No Unit
Steering Ratio at Positive Angle 1	No Unit
Steering Ratio at Positive Angle 2	No Unit
Steering Ratio at Positive Angle 3	No Unit
Steering Ratio at Positive Angle 4	No Unit
Steering Ratio at Positive Angle 5	No Unit
Analog Door Sensor Configuration	
Air Quality System Present	
Steering Ratio at Negative Angle 1	No Unit
Steering Ratio at Negative Angle 2	No Unit
Steering Ratio at Negative Angle 3	No Unit
Steering Ratio at Negative Angle 4	No Unit
Steering Ratio at Negative Angle 5	No Unit
Ambient Light Dimmer Wheel Input Present [redacted] G9	
Low Beam Output Present - [redacted] A3, [redacted]	
Rear Wiper Motor Park Present - [redacted]	
Left Rear Door Ajar Input Present - [redacted]	
Front Driver Analog Door Ajar Input Present - [redacted]	
Reserved - [redacted]	
Horn Switch Input Present - [redacted]	
Reserved - [redacted]	
Hood Ajar Switch Input Present - [redacted]	
Hard Top Sense Present - [redacted]	
Reserved - [redacted]	
Reserved - [redacted]	
Passenger Door Ajar Signal Present - [redacted]	
[redacted] - [redacted]	
Reserved - [redacted]	

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Starter Relay Lowside Coil Drive - [redacted] D7
Diesel Cabin Heater #2 Output Present - [redacted] D9
Diesel Cabin Heater #3 Output Present - [redacted]
Diesel Cabin Heater #1 Output Present - [redacted]
Right Dedicated DRL Lamp Output Present - [redacted]
Left Dedicated DRL Lamps Output Present - [redacted]
Heater Glass #2 Output Present
Foot Well Lamps Output Present - [redacted]
Front Fog Lamps Output Present - [redacted] A1 &
Inverter Enable Relay Output Present - [redacted]
Reserved - [redacted]
Gated Park ZFII Output Present - [redacted] D-24
Reserved - [redacted]
Rear Fog Lamps Output Present - [redacted] &
Rear Park Lamps Output Present - [redacted] &
Rear Turn Lamps Output Present - [redacted] E3 &
Run-ACC Y Relay #2 Output Present - [redacted] E9
Side Markers Output Present - [redacted] &
Trailer Backup Lamps Output Present - [redacted]
Reserved - [redacted] F4
UGDO Feed Output Present - [redacted]
[redacted] Warning LED Output Present - [redacted]
Park Brake Input Present - [redacted]
Ambient Temperature Sensor Present - [redacted]
Tip Start Enabled
Dual Start Relay System Present
Wiper Service Position Enabled
Trailer Tow Present
Quad Headlamps Enable
Horn Chirp Allowed
Bi Xenon Headlamps Enable
Hazard Lamp Configuration
Park Lamp Loadshed Enable
Front Fog Lamp Dropout Enable
Combined Rear Lighting Enable
Side Repeaters Enable
[redacted] Lane Change
Exterior Light Loadshed Enable
Front Wiper Park Enable
Rear Wiper Park Enable
Reversible Washer Pump Enable
[redacted] Tail Lamp

[redacted]

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Signature Light Present		
Dual Filament Headlamp		
Front Turn Lamp Diagnostics		
Auto Headlamp On Threshold		Volt
Auto Headlamp Off Threshold		Volt
Left Low Beam Voltage Regulation		
Left High Beam Voltage Regulation		
Right Low Beam Voltage Regulation		
Right High Beam Voltage Regulation		
Left Front Corner Voltage		
Right Front Corner Voltage		
Left Rear Corner Voltage		
Right Rear Corner Voltage		
Panic Enable		
Compass Mounting Orientation		
Washer Fluid Level Voltage Threshold		
IBS Present		
[redacted]M Present		
Humidity Sensor Present		
Manual Trans Present		
DC to DC Converter Present		
[redacted]M Present		
Auto Relock Time		seconds
[redacted] System Present		
DC to DC Converter #2 Present		
Illuminated Approach Interior Lighting Target Percentage		
Illuminated Approach Headlamp Target Percentage		
Illuminated Approach Taillamp Target Percentage		
Illuminated Approach Interior Lighting Ramp Up Time		
CRVMM Present		
EVIC Switch Module Present		
Compass Mounting Angle	0	Degree
Signature Lamps or Mirror Repeater Present - Pin A5 & Pin A7		
Backup Reverse Lamp Left Present - Pin F41		
Backup Reverse Lamp Right Present - Pin [redacted]		
Stop/Turn Lamp or Stop Lamp Present Pin [redacted] & [redacted]		
Left High Beam Present - Pin D1		
Right High Beam Present - Pin A2		
Left Front Lamp Diagnostics Present - Pin [redacted]		
Right Front Lamp Diagnostics Present - Pin [redacted]		
Left Rear Turn Lamp Diagnostics Present - Pin [redacted]		
Right Rear Turn Lamp Diagnostics Present - Pin [redacted]		

SessionID # [redacted]

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Brake Fluid Level Switch Signal Present - Pin	[redacted]	
Siren	[redacted]	
Ultrasonics	[redacted]	
Tilt	[redacted]	
Swing Gate Lock Present -	[redacted]	
Swing Gate Unlock Present - Pin	[redacted]	
Front Fog Voltage	[redacted]	Volts
Rear Fog Voltage	[redacted]	Volts
[redacted] Lamp Output Disable	[redacted]	
Secondary Door Ajar Present - Pin	[redacted]	
Manual Door Locks Present	[redacted]	
Rain Sensor Module #2 Present	[redacted]	
Auto High Beam Module Location	[redacted]	
Average Last Longitudinal Acceleration Values	[redacted]	
Average Last Lateral Acceleration Values	[redacted]	
Excess Longitudinal Acceleration Factor	[redacted]	
Excess Lateral Acceleration Factor	[redacted]	
Brake Smoothing Duration	[redacted]	
Brake Smoothing Factor	[redacted]	
Steering Smoothing Duration	[redacted]	
Steering Smoothing Factor	[redacted]	
Steering Smoothing Threshold	[redacted]	
Brake Smoothing Threshold	[redacted]	
Maximum Longitudinal Change	[redacted]	
Maximum Lateral Change	[redacted]	
Acceleration Threshold	[redacted]	
Acceleration Factor	[redacted]	
Nose Dive Threshold	[redacted]	
Nose Dive Factor	[redacted]	
RKE Auto-Relock Feature Enable	[redacted]	
PE Auto-Relock Feature Enable	[redacted]	
VTA Hood Ajar Monitoring	[redacted]	
Horn Chirp Duration	[redacted]	
Pitch and Roll Present	[redacted]	
Parking Light Enable	[redacted]	
ASBM Minimum Voltage Time	[redacted]	
ASBM Battery Minimum Voltage	[redacted]	
Interior Lighting Night Threshold	[redacted]	Volt
Interior Lighting Day Threshold	[redacted]	Volt
Axle Locker Configuration	[redacted]	
Transmission Equipped	[redacted]	
Park Brake Type	[redacted]	

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Illuminated approach customer settings menu	[redacted]	
Lane departure torque customer settings menu		
Lane departure warning customer settings menu		
Rear camera customer settings menu		
Rain sensitive wipers customer settings menu		
Power take off customer settings menu		
Pressure unit customer settings menu		
Power unit customer settings menu		
Power liftgate chime customer settings menu		
Performance shift enable customer settings menu		
Rear view camera delay customer settings menu		
RKE unlock customer settings menu		
Speed unit customer settings menu		
Tilt mirror in reverse customer settings menu		
Torque unit customer settings menu		
Teen Key Fuel Pop-up Customer Settings Menu		
Teen Key Automatic High Beam Customer Settings Menu		
Passenger Airbag On/Off Customer Settings Menu		
Forward Collision Warning and Brake Customer Settings Menu		
Doors and Engine Off Power Delay Customer Settings Menu		
Radio Speaker Open Circuit Disable (LF)		
Radio Speaker Open Circuit Disable (RF)		
Radio Speaker Open Circuit Disable (LR)		
Radio Speaker Open Circuit Disable (RR)		
[redacted]C Calibration Parameter Data Set		ms
Surround View Camera On/Off Softkey Present		
Drive Mode [redacted]		
Rear Defrost and Heated Mirrors Present	[redacted]	
Show Phone Information in Cluster	[redacted]	
Auto Dimming Mirror Hard Button Present		
Clari-Fi Present		
Automatic Crash Notification Feature Present		
Trailer Hitch Camera Present		
Park Assist Tuning Set		
Rear Defrost Presence		
Heated Mirrors Present		
Engine Displacement		
Steering C Factor		
Speedometer Tolerance		
Increasing speed constant		
Tachometer Type		
DTV Present		

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

[redacted] Present [redacted]

RADIO CONFIGURATION

NAME	[redacted]	[redacted]
Satellite Subscription ID		
Satellite Subscription Status		
Satellite Subscription Reason Code		
Satellite Subscription Suspend	[redacted]	
Satellite Subscription Suspend Month		
Satellite Subscription Suspend [redacted]		
[redacted] Button		
SDARS		
Navigation Active		
Cellular		
Internal CD Player		
Wi-Fi		
Bluetooth		
Application Framework		
FM Diversity		
Clock Defeat		
Automated Loudness		
Anti-Theft Enable Status		
[redacted] Selection		
Front Seat Video Playback		
Cabin EQ Curve Number Currently Used by	[redacted]	
Splash Screen		
Compass on the bus messaging Authorization		
GPS on the Bus messaging Authorization		
USB Hubs Detected	[redacted]	
SD Card Readers Detected	[redacted] Unit	
Enumerated USB Devices	[redacted]	
Aux Jack	[redacted]	
DTV Short Term Configuration	--	

ABSO CONFIGURATION

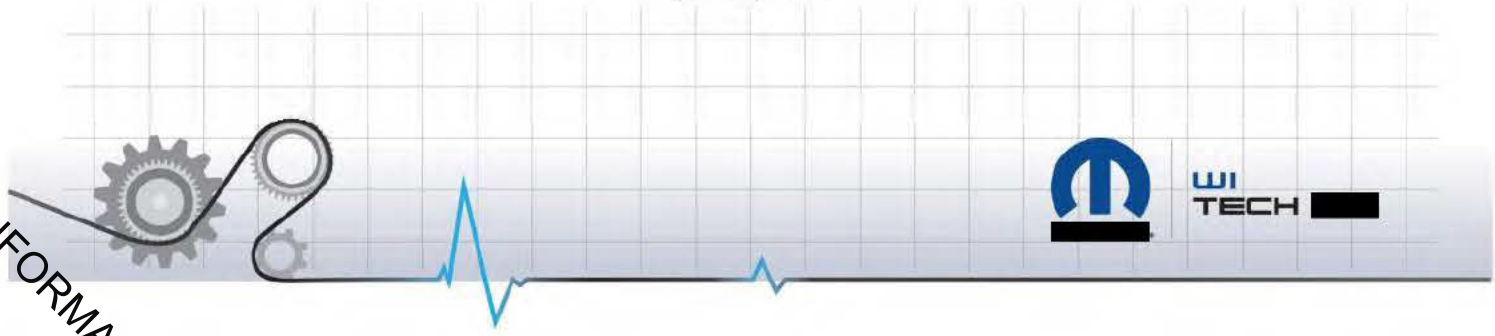
NAME	VALUE	[redacted]
Vehicle Line Identification	[redacted]	
Displacement	[redacted]	
Hybrid Type		
Trans Type		
Drive Configuration		
Chassis Type		

SessionID # [redacted]

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Axle Ratio	[redacted]	No Unit
Tire Circumference	[redacted]	

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)



INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT, 5 U.S.C. 552 (B) (6)

VEHICLE SCAN REPORT

Vehicle [redacted] DI TURBO PHEV ENGINE
VIN [redacted]

Odometer [redacted]
Publication Date [redacted]

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
PCM	Powertrain Control Module	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
ICS	Integrated Center Stack	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
RFH	Radio Frequency Hub	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
ESM	Electronic Shifter	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
DTCM	Drive Train Control Module	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
ORC	Occupant Restraint	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
EPS	Electric Power Steering	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
HVAC	Heat, Ventilation and A/C	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
CSWM	Comfort Seat Wheel Module	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
AMP	Amplifier	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
IPC	Instrument Panel Cluster	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
SCCM	Steering Column Control Module	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
BCM	Body Controller	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
RADIO	Radio	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OCM	Occupant Classification	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
BPCM	Battery Pack Control Module	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
HCP	Hybrid Control Processor	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
AHCP	Auxiliary Hybrid Control Processor	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

ABSO	Anti Lock Brakes OBD	CAN-C	[redacted]	[redacted]	[redacted]	[redacted]
SGW	Security Gateway Module	CAN-C	[redacted]		[redacted]	[redacted]
DPDM	Driver Presence Detection Module	CAN-C	[redacted]	[redacted]	[redacted]	[redacted]
IDCM	Integrated Dual [redacted]	CAN-C	[redacted]	[redacted]	[redacted]	[redacted]

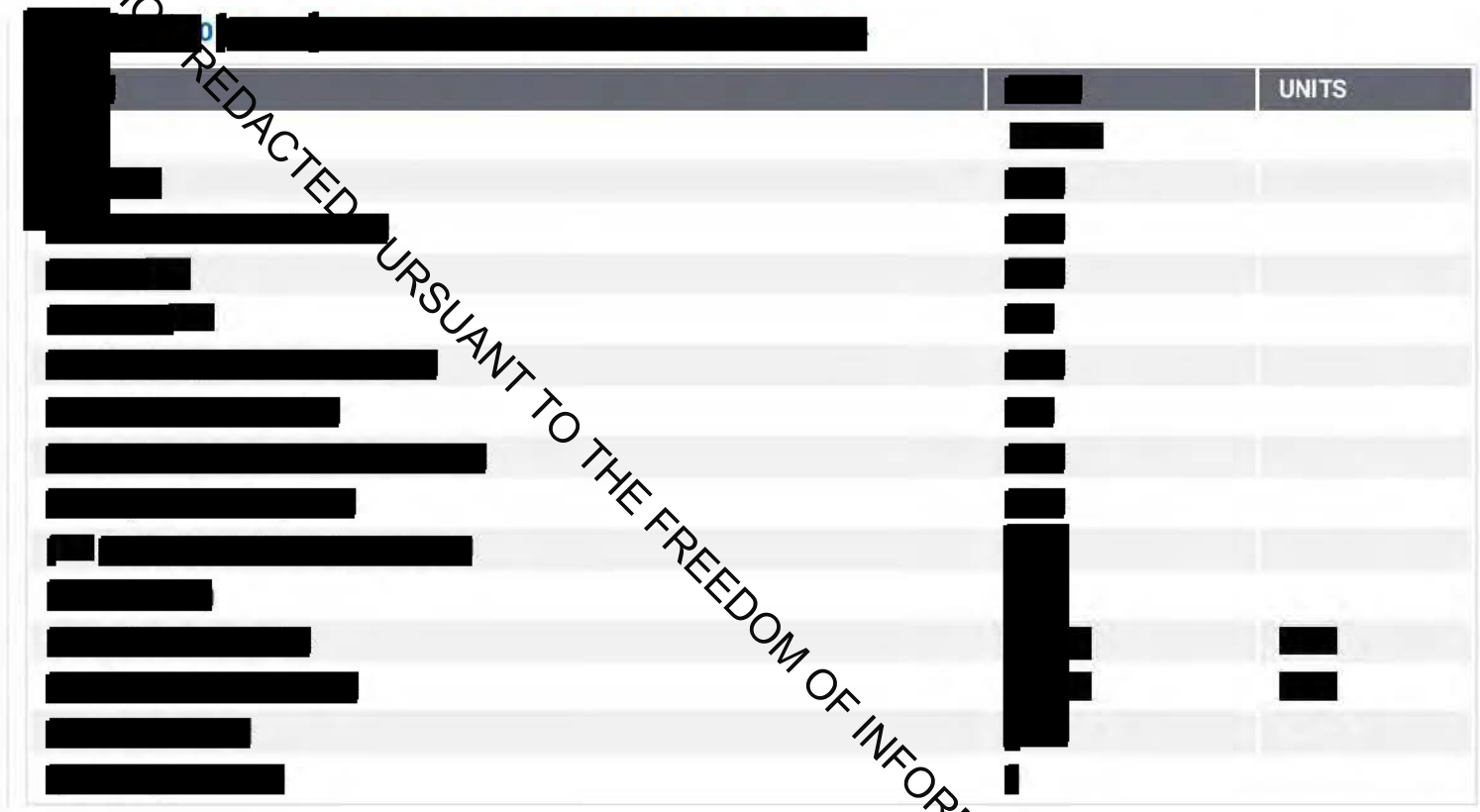
INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT, 5 U.S.C. 552 (B) (6)

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	CVNS
[redacted]						

[redacted] SUMMARY

ECU	[redacted]	DTC DESCRIPTION	STATUS
[redacted]	[redacted]	[redacted]	Stored
[redacted]	[redacted]	[redacted]	Stored
[redacted]	[redacted]	[redacted]	Stored
[redacted]	[redacted]	[redacted]	Active
[redacted]	[redacted]	[redacted]	Stored

[redacted]



INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Frequency Counter	[redacted]
Ignition Cycle Counter	0

[redacted] | [redacted]0 | Stored | Implausible Data Received From [redacted]

NAME	VALUE	UNITS
DTC	[redacted]	
Test Failed		
Test Failed This Operation Cycle		
Pending DTC		
Confirmed DTC		
Test Not Completed Since Last Clear		
Test Failed Since Last Clear		
Test Not Completed This Operation Cycle		
Warning Indicator Requested		
DTC Extended Data Record Number - All		
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
System Battery Voltage		Volts
Module Battery Voltage		Volts
Transfercase motor position sensor supply voltage		Volts
Transfercase Motor Current		Amps
Transfercase Position Sensor		Volts
[redacted] Temperature		°F
Transfercase Motor Duty Cycle		%
Transfercase Motor Direction State		
Front Axle Locker Sensor Feedback		
Rear Axle Locker Sensor Feedback		
Front Axle Locker Low side Driver		
Rear Axle Locker Low side Driver		
FAD Supply Power Voltage		Volts
FAD Feedback Status		
FAD Feedback Voltage		Volts
FAD Lock request		
Transfercase Mode Switch		
Time Since Last Ignition On	0	minutes
Vehicle Speed	[redacted]	MPH
Left Front Wheel Speed	0.0	rpm
Right Front Wheel Speed	0.0	rpm
Left Rear Wheel Speed	0.0	rpm

SessionID [redacted]

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF IN (FOIA), 5 U.S.C. 552 (B) (6)

Right Rear Wheel Speed	[redacted]	rpm
Brake Pedal	[redacted]	
ESP Requested Center (Transfercase) Differential State	[redacted]	
ESP Requested Center Differential Torque	[redacted]	Ft-Lbs
Steering Wheel Angle	[redacted]	degrees
Delta Steering Wheel Angle	[redacted]	degrees
Ambient Air Temperature	[redacted]	°F
PRNDL Display	[redacted]	
Transmission Current Gear	[redacted]	
Throttle Pedal Position	[redacted]	%
Static Engine/Electric Motor Torque	[redacted]	Ft-Lbs
Engine RPM	[redacted]	rpm
Actual Mode of Transfercase Clutch	[redacted]	
Actual Transfercase Clutch Lock Torque	[redacted]	Ft-Lbs
Desired Transfercase Clutch Lock Torque	[redacted]	Ft-Lbs
T-Case Motor Incremental Position Sensor (IPS)	[redacted]	degrees
T-Case Clutch Wear IPS Position	[redacted]	degrees
DTCM Internal DTC Reason	[redacted]	
Transfer Case Shift Inhibited	[redacted]	
Transfercase Status	[redacted]	
Axle Locker Status (Bus)	[redacted]	
Clutch Calibration Not Learned reason	[redacted]	
Electric Motor RPM	[redacted]	rpm
T-Case Clutch Wear Position (Initial)	[redacted]	degrees

RADIO | [redacted] | Active | Head Unit Button-Stuck

NAME	VALUE	UNITS
DTCTable	[redacted]	
TestFailed	[redacted]	
TestFailedThisMonitoringCycle	[redacted]	
Pending DTC	[redacted]	
Confirmed DTC	[redacted]	
Test Not Completed This Monitoring Cycle	[redacted]	
Warning Indicator Requested	[redacted]	
DTCExtendedDataRecordNumber	[redacted]	
Occurance Flag	[redacted]	
Reserved	[redacted]	
Original Odometer Value	[redacted]	miles
Most Recent Odometer Value	[redacted]	miles
Frequency Counter	[redacted]	
Ignition Counter	[redacted]	
[redacted]	[redacted]	

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Event Counter	[redacted]

RADIO | [redacted]0 | Stored | CAN C Bus Off Performance-

NAME	VALUE	[redacted]
DTCTable	[redacted]	
TestFailed	[redacted]	
TestFailedThisMonitoringCycle	[redacted]	
Pending DTC	[redacted]	
Confirmed DTC	[redacted]	
Test Not Completed This Monitoring Cycle	[redacted]	
Warning IndicatorRequested	[redacted]	
DTCExtendedDataRecordNumber	[redacted]	
Occurance Flag	[redacted]	
Reserved	[redacted]	
Original Odometer Value	[redacted]	
Most Recent Odometer Value	[redacted]	
Frequency Counter	[redacted]	
Ignition Counter	[redacted]	
[redacted]	[redacted]	
Event Counter	[redacted]	

[redacted] | [redacted] | Stored | Hybrid Battery Precharge Contactor Circuit-

NAME	VALUE	[redacted]
DTC	[redacted]	
Test Failed	[redacted]	
Test Failed This Operation Cycle	[redacted]	
Pending DTC	[redacted]	
Confirmed DTC	[redacted]	
Test Not Completed Since Last Clear	[redacted]	
Test Failed Since Last Clear	[redacted]	
Test Not Completed This Operation Cycle	[redacted]	
Warning Indicator Requested	[redacted]	
Occurrence flag	[redacted]	
Original Odometer Value	[redacted]	
Most Recent Odometer Value	[redacted]	
Frequency Counter	1	
Ignition Cycle Counter	[redacted]	
[redacted] - for this DTC (lifetime fails)	1	[redacted]
FoM - for this DTC (lifetime fails counts on pass)	[redacted]	
FoM - for this DTC (lifetime longest fail on pass)	[redacted]	
Battery Total Time Awake	[redacted]	
Key in Ignition	[redacted]	

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

EPT -WakeUp	[redacted]	
HCP Contactor Command	[redacted]	
Qualified Contactor Command - QCC	[redacted]	
Verified Contactor Command - VCC	[redacted]	
Contactor Status	[redacted]	
Plug in Status	[redacted]	
Balance Mode	[redacted]	
Vehicle Speed	[redacted]	
System [redacted] Volts at time of fault	[redacted]	
Battery Lifetime AmpHrs of Charge	[redacted]	
Battery Lifetime AmpHrs of DisCharge	[redacted]	
HVIL Status -Vehicle	[redacted]	
Cycles left to self heal	[redacted]	No Unit
HV Battery Charge Power 2sec	[redacted]	
HV Battery Charge Power 10sec	[redacted]	
HV Battery Discharge Power 2sec	[redacted]	
HV Battery Discharge Power 10sec	[redacted]	
Key - DriveRdy (CAN)	[redacted]	
Battery Lifetime Number Of Closes	[redacted]	
Battery Full AmpHr Capacity	[redacted]	
Battery Cell Voltage Maximum	[redacted]	
Battery Cell Voltage Minimum	[redacted]	
Battery Cell Voltage Average	[redacted]	
Battery Temperature Maximum Module	[redacted]	°F
Battery Temperature Minimum Module	-[redacted]	°F
Battery Temperature Average Module	[redacted]	°F
Battery Temperature Number of Failing Sensors	[redacted]	
DTC Extended Data Record Number - All	[redacted]	
DTC Extended Data Record Number - 2	[redacted]	
HV Battery Charge Power [redacted]	[redacted]	
HV Battery Discharge Powe[redacted]	[redacted]	
Key Position	[redacted]	
SOC	[redacted]	
HV Bat SOH-R	[redacted]	
HV Bat SOH-C	[redacted]	
Cell Impedance Max Discharge	[redacted]	
Cell Impedance Min Discharge	[redacted]	
HVIL Status - Battery pack	[redacted]	
HVIL PWM Duty Cycle source - Vehicle	[redacted]	
HVIL PWM Duty Cycle Sink - Battery	[redacted]	
HVIL PWM Duty Cycle Source - Battery	[redacted]	
HVIL PWM Duty Cycle Sink - Battery	[redacted]	

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT, 5 U.S.C. 552 (B) (6)

HVIL PWM Frequency source - Vehicle	[redacted]	Hz
HVIL PWM Frequency Sink - Vehicle	[redacted]	Hz
HVIL PWM Frequency Source - Battery	[redacted]	Hz
HVIL PWM Frequency Sink - Battery	[redacted]	Hz
HVIL Returned current - Vehicle	[redacted]	mA
HVIL Returned current - Battery	[redacted]	mA
Battery Cell Highest Cell number	[redacted]	
Battery Cell Lowest Cell number	[redacted]	
HV Battery Current Sensor Primary	[redacted]	Amps
HV Battery Current Sensor Secondary	[redacted]	Amps
HV Battery Current HVBatCrnt	[redacted]	Amps
HV Battery Voltage (cellSum)	[redacted]	[redacted]
HV Battery Voltage (ModuleSum)	[redacted]	[redacted]
HV Sensor-Pack Voltage	[redacted]	[redacted]
HV Sensor -DC Link Voltage	[redacted]	[redacted]
HV Sensor -main fuse Voltage	[redacted]	[redacted]
HV Sensor- IDCM fuse Voltage	[redacted]	[redacted]
HV Sensor - Heater fuse Voltage	[redacted]	[redacted]
Battery Temperature Highest Sensor number	[redacted]	
Battery Temperature Lowest Sensor number	[redacted]	
HV Cooling Battery coolant inlet temp	[redacted]	[redacted]
HV Cooling Battery coolant outlet temp	[redacted]	[redacted]
BPCM temperature max	[redacted]	[redacted]
BPCM temperature min	[redacted]	[redacted]
Vehicle Isolation Impedance (Positive side)	[redacted]	[redacted]
Vehicle Isolation Impedance (Negative side)	[redacted]	[redacted]
Vehicle Isolation Impedance (Equivalent)	[redacted]	[redacted]
Battery Isolation Impedance (Positive side)	[redacted]	[redacted]
Battery Isolation Impedance (Negative side)	[redacted]	[redacted]
Battery Isolation Impedance (Equivalent)	[redacted]	[redacted]
Cn [redacted] Open	[redacted]	
Cn Short to SWn	[redacted]	
Auxiliary channel 1 [redacted] Open	[redacted]	
Auxiliary channel 2 [redacted] Open	[redacted]	
Measured result difference between Alternative path and Primary path is out of range	[redacted]	
Balancing Swtich Short	[redacted]	
Balancing Swtich Open	[redacted]	
Alternate reference voltage is out of range	[redacted]	
Vaa voltage is out of range	[redacted]	
Level-shift amplifier offset voltage is out of range	[redacted]	
Stuck ADC output bits verification with [redacted] scale	[redacted]	
Stuck ADC output bits verification with full-scale	[redacted]	

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B)(6)

Multiplexer Open/Short verification with [redacted] X test current source	[redacted]
Multiplexer Open/Short verification with [redacted] X test current sources	[redacted]
Measured result difference between Module voltage and Cell voltage summation	[redacted]
Vhv - Vdcin > Vhvov	[redacted]
Vhv < Vhvuv	[redacted]
Die Temperature is over the upper limit	[redacted]
Scanning for cell information is not complete	[redacted]
ADC Data Path error	[redacted]
Packet Error Check	[redacted]
Power-on reset event occurred	[redacted]
32kHz oscillator frequency is not within [redacted] of its expected value	[redacted]
Same as Alrtosc1 (redundant alert)	[redacted]
Die Temperature is over the upper limit	[redacted]
Module number addressing is fail	[redacted]
Alive counter is not matched to the expected value	[redacted]
PEC Bits in Data-check byte error	[redacted]
[redacted] is too low	[redacted]
Transmit data is not equal to read back data	[redacted]
Engine Speed	[redacted]
Accelerator position	[redacted]
GPS_Date - Year	[redacted]
GPS_Date - Month	[redacted]
GPS_Date - Day	[redacted]
UTC_Time -	[redacted]
UTC_Time - Minutes	[redacted]
UTC_Time -	[redacted]

BPCM | [redacted] | Stored | Hybrid/EV Battery System Precharge "A" Time Too Long

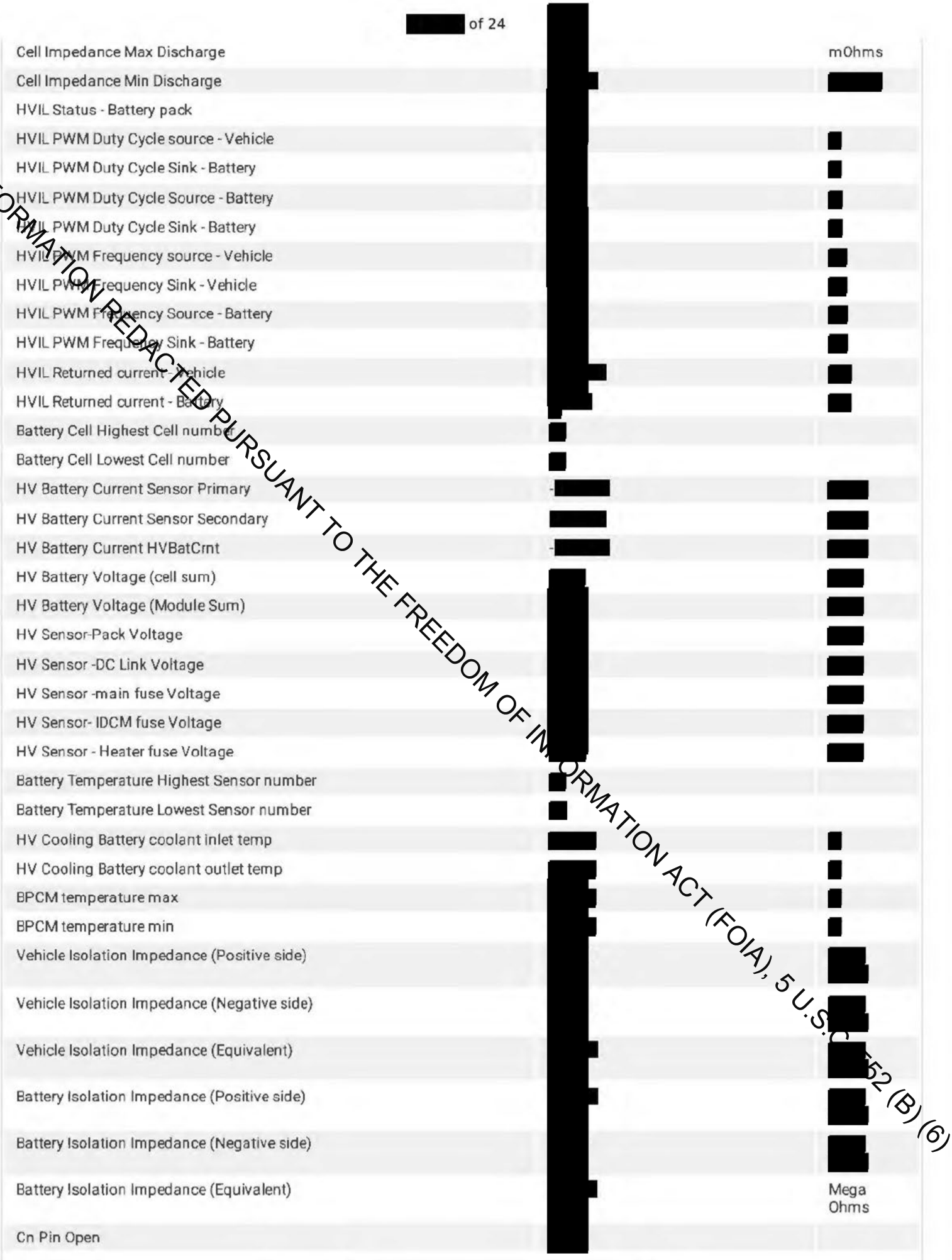
NAME	VALUE	UNITS
DTC	[redacted]	
Test Failed	[redacted]	
Test Failed This Operation Cycle	[redacted]	
Pending DTC	[redacted]	
Confirmed DTC	[redacted]	
Test Not Completed Since Last Clear	[redacted]	
Test Failed Since Last Clear	[redacted]	
Test Not Completed This Operation Cycle	[redacted]	
Warning Indicator Requested	[redacted]	
Occurrence flag	[redacted]	
Original Odometer Value	[redacted]	
Most Recent Odometer Value	[redacted]	
Frequency Counter	[redacted]	

SessionID [redacted]

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	[redacted]	seconds
Key in Ignition		
BMT-WakeUp		
HCP Contactor Command		
Qualified Contactor Command - QCC		
Verified Contactor Command - VCC		
Contactor Status		
Plug in Status		
Balance Mode		
Vehicle Speed		MPH
System ([redacted]) Volts at time of fault		Volts
Battery Lifetime [redacted] of Charge		AHr
Battery Lifetime [redacted] of DisCharge		AHr
HVIL Status -Vehicle		
Cycles left to self heal		No Unit
HV Battery Charge Power 2sec		[redacted]
HV Battery Charge Power 10sec		[redacted]
HV Battery Discharge Power 2sec		[redacted]
HV Battery Discharge Power 10sec		[redacted]
Key - DriveRdy (CAN)		
Battery Lifetime Number Of Closes		
Battery Full AmpHr Capacity		[redacted]
Battery Cell Voltage Maximum		[redacted]
Battery Cell Voltage Minimum		[redacted]
Battery Cell Voltage Average		[redacted]
Battery Temperature Maximum Module		°F
Battery Temperature Minimum Module		°F
Battery Temperature Average Module		°F
Battery Temperature Number of Failing Sensors		
DTC Extended Data Record Number - All		
DTC Extended Data Record Number - 2		
HV Battery Charge Power [redacted]		[redacted]
HV Battery Discharge Powe[redacted]		[redacted]
Key Position		
SOC		%
HV Bat SOH-R		%
HV Bat SOH-C		%

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF [redacted] 5 U.S.C. 552 (B)(6)



INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Cn Short to SWn	
Auxiliary channel 1 [redacted] Open	
Auxiliary channel 2 [redacted] Open	
Measured result difference between Alternative path and Primary path is out of range	
Balancing Swtich Short	
Balancing Swtich Open	
Alternate reference voltage is out of range	
Vaa voltage is out of range	
Level-shift amplifier offset voltage is out of range	
Stuck [redacted] output bits verification with [redacted] -scale	
Stuck [redacted] output bits verification with full-scale	
Multiplexer Open/Short verification with [redacted] HVMUX test current source	
Multiplexer Open/Short verification with [redacted] HVMUX test current sources	
Measured result difference between Module voltage and Cell voltage summation	
Vhv - Vdcin > Vhvov	
Vhv < Vhvuv	
Die Temperature is over the upper limit	
Scanning for cell information is not complete	
[redacted] Data Path error	
Packet Error Check	
Power-on reset event occurred	
32kHz oscillator frequency is not within [redacted] of its expected value	
Same as Alrtosc1 (redundant alert)	
Die Temperature is over the upper limit	
Module number addressing is fail	
Alive counter is not matched to the exepected value	
[redacted]C Bits in Data-check byte error	
[redacted] is too low	
Transmit data is not equal to read back data	
Engine Speed	
Accelerator position	
GPS_Date - Year	
GPS_Date - Month	
GPS_Date - Day	
UTC_Time - Hours	
UTC_Time - Minutes	
UTC_Time - Seconds	

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

[redacted]

Test Failed	[redacted]	
Test Failed This Operation Cycle		
Pending DTC		
Confirmed DTC		
Test Not Completed Since Last Clear		
Test Failed Since Last Clear		
Test Not Completed This Operation Cycle		
Warning Indicator Requested		
Occurrence Flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
FoM - for this DTC (lifetime fails)		events
FoM - for this DTC (lifetime fails counts on pass)		[redacted]
FoM - for this DTC (lifetime longest fail on pass)		[redacted]
Battery Total Time Awake		[redacted]
Key in Ignition		
EPT -WakeUp		
HCP Contactor Command		
Qualified Contactor Command - QCC		
Verified Contactor Command - VCC		
Contactor Status		
Plug in Status		
Balance Mode		
Vehicle Speed		MPH
System ([redacted] at time of fault		Volts
Battery Lifetime AmpHrs of Charge		AHr
Battery Lifetime AmpHrs of DisCharge		AHr
HVIL Status -Vehicle		
Cycles left to self heal		No Unit
HV Battery Charge Power 2sec		watts
HV Battery Charge Power 10sec		watts
HV Battery Discharge Power 2sec		watts
HV Battery Discharge Power 10sec		watts
Key - DriveRdy (CAN)		
Battery Lifetime Number Of Closes		
Battery Full AmpHr Capacity		AmpHrs
Battery Cell Voltage Maximum	[redacted]	mV
Battery Cell Voltage Minimum	[redacted]	mV
Battery Cell Voltage Average	[redacted]	mV
Battery Temperature Maximum Module	[redacted]	°F

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Battery Temperature Minimum Module	[redacted]	°F
Battery Temperature Average Module	[redacted]	°F
Battery Temperature Number of Failing Sensors	[redacted]	
DTC Extended Data Record Number - All	[redacted]	
DTC Extended Data Record Number - 2	[redacted]	
HV Battery Charge Power [redacted]	[redacted]	watts
HV Battery Discharge Powe[redacted]	[redacted]	watts
Key Position	[redacted]	
SOC	[redacted]	%
HV Bat SOH-A	[redacted]	%
HV Bat SOH-C	[redacted]	%
Cell Impedance Max Discharge	[redacted]	mOhms
Cell Impedance Min Discharge	[redacted]	mOhms
HVIL Status - Battery pack	[redacted]	
HVIL PWM Duty Cycle source - Vehicle	[redacted]	%
HVIL PWM Duty Cycle Sink - Battery	[redacted]	%
HVIL PWM Duty Cycle Source - Battery	[redacted]	%
HVIL PWM Duty Cycle Sink - Battery	[redacted]	%
HVIL PWM Frequency source - Vehicle	[redacted]	Hz
HVIL PWM Frequency Sink - Vehicle	[redacted]	Hz
HVIL PWM Frequency Source - Battery	[redacted]	Hz
HVIL PWM Frequency Sink - Battery	[redacted]	Hz
HVIL Returned current - Vehicle	[redacted]	mA
HVIL Returned current - Battery	[redacted]	mA
Battery Cell Highest Cell number	[redacted]	
Battery Cell Lowest Cell number	[redacted]	
HV Battery Current Sensor Primary	[redacted]	Amps
HV Battery Current Sensor Secondary	[redacted]	Amps
HV Battery Current HVBatCrnt	[redacted]	Amps
HV Battery Voltage (cell sum)	[redacted]	Volts
HV Battery Voltage (Module Sum)	[redacted]	Volts
HV Sensor-Pack Voltage	[redacted]	Volts
HV Sensor -DC Link Voltage	[redacted]	Volts
HV Sensor -main fuse Voltage	[redacted]	Volts
HV Sensor- IDCM fuse Voltage	[redacted]	Volts
HV Sensor - Heater fuse Voltage	[redacted]	Volts
Battery Temperature Highest Sensor number	[redacted]	
Battery Temperature Lowest Sensor number	[redacted]	
HV Cooling Battery coolant inlet temp	[redacted]	°F
HV Cooling Battery coolant outlet temp	[redacted]	°F
[redacted] temperature max	[redacted]	°F
[redacted] temperature [redacted]	[redacted]	°F

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Vehicle Isolation Impedance (Positive side)	[redacted]	Mega Ohms
Vehicle Isolation Impedance (Negative side)		Mega Ohms
Vehicle Isolation Impedance (Equivalent)		Mega Ohms
Battery Isolation Impedance (Positive side)		Mega Ohms
Battery Isolation Impedance (Negative side)		Mega Ohms
Battery Isolation Impedance (Equivalent)		Mega Ohms
Pin Open		
Cn Short to SWn		
Auxiliary channel 1 Pin Open		
Auxiliary channel 2 Pin Open		
Measured result difference between Alternative path and Primary path is out of range		
Balancing Swtich Short		
Balancing Swtich Open		
Alternate reference voltage is out of range		
Vaa voltage is out of range		
Level-shift amplifier offset voltage is out of range		
Stuck ADC output bits verification with [redacted] scale		
Stuck ADC output bits verification with full-scale		
Multiplexer Open/Short verification with [redacted] HVMUX test current source		
Multiplexer Open/Short verification with [redacted] HVMUX test current sources		
Measured result difference between Module voltage and Cell voltage summation		
Vhv - Vdcin > Vhvov		
Vhv < Vhvuv		
Die Temperature is over the upper limit		
Scanning for cell information is not complete		
ADC Data Path error		
Packet Error Check		
Power-on reset event occurred		
32kHz oscillator frequency is not within [redacted] of its expected value		
Same as Alrtosc1(redundant alert)		
Die Temperature is over the upper limit		
Module number addressing is fail		
Alive counter is not matched to the exepected value		
PEC Bits in Data-check byte error		
[redacted] is too low		
Transmit data is not equal to read back data		
Engine Speed		rpm
Accelerator position		%
GPS_Date - Year		Year
GPS_Date - Month		
GPS_Date - Day		Days
UTC_Time - Hours		Hours

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMA[redacted]T (FOIA), 5 U.S.C. 552 (B)(6)

UTC_Time - Minutes	0	
UTC_Time - [redacted]	0	seconds

BPCM | [redacted] | Stored | Battery Energy Control Module High Voltage System Interlock Out of Range Low-

NAME	VALUE	UNITS
DTC	[redacted]	
Test Failed	[redacted]	
Test Failed This Operation Cycle	[redacted]	
Pending DTC	[redacted]	
Confirmed DTC	[redacted]	
Test Not Completed Since Last Clear	[redacted]	
Test Failed Since Last Clear	[redacted]	
Test Not Completed This Operation Cycle	[redacted]	
Warning Indicator Requested	[redacted]	
Occurrence flag	[redacted]	
Original Odometer Value	[redacted]	miles
Most Recent Odometer Value	[redacted]	miles
Frequency Counter	1	
Ignition Cycle Counter	[redacted]	
FoM - for this DTC (lifetime fails)	[redacted]	events
FoM - for this DTC (lifetime fails counts on pass)	[redacted]	seconds
FoM - for this DTC (lifetime longest fail on pass)	[redacted]	seconds
Battery Total Time Awake	[redacted]	seconds
Key in Ignition	[redacted]	
EPT -WakeUp	[redacted]	
HCP Contactor Command	[redacted]	
Qualified Contactor Command - QCC	[redacted]	
Verified Contactor Command - VCC	[redacted]	
Contactor Status	[redacted]	
Plug in Status	[redacted]	
Balance Mode	[redacted]	
Vehicle Speed	[redacted]	MPH
System ([redacted]) Volts at time of fault	[redacted]	Volts
Battery Lifetime AmpHrs of Charge	[redacted]	AHr
Battery Lifetime AmpHrs of DisCharge	[redacted]	AHr
HVIL Status -Vehicle	[redacted]	
Cycles left to self heal	[redacted]	No Units
HV Battery Charge Power [redacted]	[redacted]	watts
HV Battery Charge Power [redacted]	[redacted]	watts
HV Battery Discharge Powe[redacted]	[redacted]	watts
HV Battery Discharge Powe[redacted]	[redacted]	watts
Key - DriveRdy (CAN)	[redacted]	

SessionID [redacted]

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B)(6)

Battery Lifetime Number Of Closes	[redacted]	
Battery Full AmpHr Capacity	[redacted]	AmpHrs
Battery Cell Voltage Maximum	[redacted]	mV
Battery Cell Voltage Minimum	[redacted]	mV
Battery Cell Voltage Average	[redacted]	mV
Battery Temperature Maximum Module	[redacted]	°F
Battery Temperature Minimum Module	[redacted]	°F
Battery Temperature Average Module	[redacted]	°F
Battery Temperature Number of Failing Sensors	[redacted]	
DTC Extended Data Record Number - All	[redacted]	
DTC Extended Data Record Number - 2	[redacted]	
HV Battery Charge Power [redacted]	[redacted]	watts
HV Battery Discharge Power [redacted]	[redacted]	watts
Key Position	[redacted]	
SOC	[redacted]	%
HV Bat SOH-R	[redacted]	%
HV Bat SOH-C	[redacted]	%
Cell Impedance Max Discharge	[redacted]	mOhms
Cell Impedance Min Discharge	[redacted]	mOhms
HVIL Status - Battery pack	[redacted]	
HVIL PWM Duty Cycle source - Vehicle	[redacted]	%
HVIL PWM Duty Cycle Sink - Battery	[redacted]	%
HVIL PWM Duty Cycle Source - Battery	[redacted]	%
HVIL PWM Duty Cycle Sink - Battery	[redacted]	%
HVIL PWM Frequency source - Vehicle	[redacted]	Hz
HVIL PWM Frequency Sink - Vehicle	[redacted]	Hz
HVIL PWM Frequency Source - Battery	[redacted]	Hz
HVIL PWM Frequency Sink - Battery	[redacted]	Hz
HVIL Returned current - Vehicle	[redacted]	mA
HVIL Returned current - Battery	[redacted]	mA
Battery Cell Highest Cell number	[redacted]	
Battery Cell Lowest Cell number	[redacted]	
HV Battery Current Sensor Primary	[redacted]	Amps
HV Battery Current Sensor Secondary	[redacted]	Amps
HV Battery Current HVBatCrnt	[redacted]	Amps
HV Battery Voltage (cell sum)	[redacted]	Volts
HV Battery Voltage (Module Sum)	[redacted]	Volts
HV Sensor-Pack Voltage	[redacted]	Volts
HV Sensor -DC Link Voltage	[redacted]	Volts
HV Sensor -main fuse Voltage	[redacted]	Volts
HV Sensor- IDCM fuse Voltage	[redacted]	Volts
HV Sensor - Heater fuse Voltage	[redacted]	Volts

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B)(6)

Battery Temperature Highest Sensor number	[redacted]	
Battery Temperature Lowest Sensor number	[redacted]	
HV Cooling Battery coolant inlet temp	[redacted]	[redacted]
HV Cooling Battery coolant outlet temp	[redacted]	[redacted]
BPCM temperature max	[redacted]	[redacted]
BPCM temperature min	[redacted]	[redacted]
Vehicle Isolation Impedance (Positive side)	[redacted]	[redacted]
Vehicle Isolation Impedance (Negative side)	[redacted]	[redacted]
Vehicle Isolation Impedance (Equivalent)	[redacted]	[redacted]
Battery Isolation Impedance (Positive side)	[redacted]	[redacted]
Battery Isolation Impedance (Negative side)	[redacted]	[redacted]
Battery Isolation Impedance (Equivalent)	[redacted]	[redacted]
Cn [redacted] Open	[redacted]	
Cn Short to SWn	[redacted]	
Auxiliary channel 1 [redacted] Open	[redacted]	
Auxiliary channel 2 [redacted] Open	[redacted]	
Measured result difference between Alternative path and Primary path is out of range	[redacted]	
Balancing Swtich Short	[redacted]	
Balancing Swtich Open	[redacted]	
Alternate reference voltage is out of range	[redacted]	
Vaa voltage is out of range	[redacted]	
Level-shift amplifier offset voltage is out of range	[redacted]	
Stuck ADC output bits verification with [redacted]	[redacted]	
Stuck ADC output bits verification with full-scale	[redacted]	
Multiplexer Open/Short verification with [redacted] X test current source	[redacted]	
Multiplexer Open/Short verification with [redacted] X test current sources	[redacted]	
Measured result difference between Module voltage and Cell voltage summation	[redacted]	
Vhv - Vdcin > Vhvov	[redacted]	
Vhv < Vhvuv	[redacted]	
Die Temperature is over the upper limit	[redacted]	
Scanning for cell information is not complete	[redacted]	
ADC Data Path error	[redacted]	
Packet Error Check	[redacted]	
Power-on reset event occurred	[redacted]	
32kHz oscillator frequency is not within [redacted] of its expected value	[redacted]	
Same as Alrtosc1(redundant alert)	[redacted]	
Die Temperature is over the upper limit	[redacted]	
Module number addressing is fail	[redacted]	
Alive counter is not matched to the exepected value	[redacted]	
[redacted]C Bits in Data-check byte error	[redacted]	
[redacted] is too low	[redacted]	
Transmit data is not equal to read back data	[redacted]	

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B)(6)

Engine Speed	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	
[redacted]	[redacted]	seconds

HCP | [redacted]0 | Active | Drive Motor B Inverter Performance-

NAME	VALUE	UNITS
DTC	[redacted]	
Test Failed		
Test Failed This Operation Cycle		
Pending DTC		
Confirmed DTC		
Test Not Completed Since Last Clear		
Test Failed Since Last Clear		
Test Not Completed This Operation Cycle		
Warning Indicator Requested		
DTC Extended Data Record Number		
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Microcontroller reset reason - [redacted]0		
Microcontroller reset reason - [redacted]		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Coolant Temperature		°F
Engine Speed		rpm
Vehicle Speed		MPH
HV Battery SOC		%
Brake Switch Status		
Battery Feed Voltage 1 Sense	[redacted]	Volts
Battery Feed Voltage 2 Sense	[redacted]	Volts
Battery Feed Voltage 3 Sense	[redacted]	Volts
Internal EPS Voltage Sense A	[redacted]	Volts
Internal EPS Voltage Sense B	[redacted]	Volts

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Hybrid System State	[redacted]	
Outside Air Temperature		°F
Ignition State		
Propulsion System Active		
HV Contactor Status		
APM Status		
Impact Event		
PRNDL Position Display		
Distance Travelled with Light ON	[redacted]	
HV Battery Since Time	0	Days
eMotor A Shutdown History [0]	0-NO_FAULT	
eMotor A Shutdown History [1]	0-NO_FAULT	
eMotor A Shutdown History [2]	0-NO_FAULT	
eMotor A Fault History [0]	0-NO_FAULT	
eMotor A Fault History [1]	0-NO_FAULT	
eMotor A Fault History [2]	0-NO_FAULT	
eMotor A Fault History [3]	0-NO_FAULT	
eMotor A Fault History [4]	0-NO_FAULT	
eMotor A Fault History [5]	0-NO_FAULT	
eMotor B Shutdown History [0]	[redacted]	
eMotor B Shutdown History [1]		
eMotor B Shutdown History [2]		
eMotor B Fault History [0]		
eMotor B Fault History [1]		
eMotor B Fault History [2]		
eMotor B Fault History [3]		
eMotor B Fault History [4]		
eMotor B Fault History [5]		
eMotor A FA Speed or Position Fault Active		
eMotor A FA Motor Temperature Fault Active		
eMotor A FA inverter Temperature A Fault Active		
eMotor A FA inverter Temperature B Fault Active		
eMotor A FA inverter Temperature C Fault Active		
eMotor A FA DC Current Fault Active		
eMotor A FA DC Voltage Fault Active		
eMotor A FA Acceleration Fault Active		
eMotor A FA Rotor Temperature Fault Active		
eMotor A FA Capacitor Temperature Fault active		
eMotor A FA Current Sensor A Fault Active		
eMotor A FA Current Sensor B Fault Active		
eMotor A FA Current Sensor C Fault Active		
eMotor A FA Postion Sensor Fault Active		

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eMotor A FA DC Voltage Out of Range Fault Active	[redacted]	
eMotor A FA Reserved		
[redacted] FA Speed or Position Fault Active		
[redacted] FA Motor Temperature Fault Active		
[redacted] FA Inverter Temperature A Fault Active		
[redacted] FA Inverter Temperature B Fault Active		
[redacted] FA Inverter Temperature C Fault Active		
[redacted] FA HV input Current Fault Active		
[redacted] FA HV Input Voltage Fault Active		
[redacted] FA Acceleration Fault Active		
[redacted] FA Rotor Temperature Fault Active		
eMotor B FA Capacitor Temperature Fault Active		
[redacted] FA Current Sensor A Fault Active		
[redacted] FA Current Sensor B Fault Active		
[redacted] FA Current Sensor C Fault Active		
[redacted] FA Position Sensor Fault Active		
[redacted] FA DC Voltage Out of Range Fault Active		
[redacted] FA Reserved		
eMotor A Current Ia Max	[redacted]	
eMotor A Current Ia Min	[redacted]	
eMotor A Current Ib Max	[redacted]	
eMotor A Current Ib Min	[redacted]	
eMotor A Current Ic Max	[redacted]	
eMotor A Current Ic Min	[redacted]	
eMotor A Current Id Max	[redacted]	
eMotor A Current Id Min	[redacted]	
eMotor A Current Iq Max	[redacted]	
eMotor A Current Iq Min	[redacted]	
eMotor A Current Sum Max	[redacted]	
eMotor A Current Sum Min	[redacted]	
eMotor A HV Input voltage Max	[redacted]	Volts
eMotor A HV Input voltage Min	[redacted]	Volts
eMotor A speed max mrads	[redacted]	rad/s
eMotor A speed min mrads	[redacted]	rad/s
[redacted] Current Ia Max	[redacted]	
[redacted] Current Ia Min	[redacted]	
[redacted] Current Ib Max	[redacted]	
[redacted] Current Ib Min	[redacted]	
[redacted] Current Ic Max	[redacted]	
[redacted] Current Ic Min	[redacted]	
[redacted] Current Id Max	[redacted]	
[redacted] Current Id Min	[redacted]	

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S. [redacted](B)(6)

eMotor B Current Iq Max	[redacted]	[redacted]
eMotor B Current Iq Min		
eMotor B current Sum Max		
eMotor B current sum Min		
eMotor B HV Input Voltage Max		Volts
eMotor B HV Input Voltage Min		Volts
eMotor B speed Max mrads		rad/s
eMotor B speed Min mrads		rad/s
eMotor A Current Ia Offset		[redacted]
eMotor A Current Ib Offset		
eMotor A Current Ic Offset		
eMotor B Current Ia Offset		
eMotor B Current Ib Offset		
eMotor B Current Ic Offset		
eMotor A HV Battery Voltages		Volts
eMotor A HV input Voltages		Volts
eMotor B HV Battery Voltages		Volts
eMotor B HV input Voltages		Volts
eMotor A Motoring Torque Limit		[redacted]
eMotor A Regenerative Torque Limit		[redacted]
eMotor B Motoring Torque Limit		[redacted]
eMotor B Regenerative Torque Limit		[redacted]
eMotor A Torque command		[redacted]
eMotor A Torque achieved		[redacted]
eMotor A speed RPM		rpm
eMotor B Torque command		[redacted]
eMotor B Torque achieved		[redacted]
eMotor B Speed RPM		rpm
eMotor A Temperature Stator		°F
eMotor A Temperature Inverter Model		°F
eMotor A Temperature Inverter 0		°F
eMotor A Temperature Inverter 1		°F
eMotor A Temperature Inverter 2		°F
eMotor A Temperature Coolant Inlet		°F
eMotor A Temperature Coolant Outlet		°F
eMotor A Temperature PCB		°F
eMotor A Temperature Rotor		°F
eMotor A OS Runtime Seconds		sec
eMotor B OS Runtime Seconds		sec
eMotor B Temperature Stator		°F
eMotor B Temperature Inverter Model		°F
eMotor B Temperature Inverter 0		°F

INFORMATION REDACTED PURSUANT TO THE FREE[redacted]N ACT (FOIA), 5 U.S.C. 552 (B) (6)

eMotor B Temperature Inverter 1	[redacted]	
eMotor B Temperature Inverter 2	[redacted]	°F
eMotor B Temperature coolant Inlet		°F
eMotor B Temperature coolant outlet		°F
eMotor B Temperature PCB	[redacted]	
eMotor B Temperature Rotor	[redacted]	°F
eMotor A Lifetime Over Current w/o Over Voltage Events	0	
eMotor A Lifetime Over Current Events	0	
eMotor A Lifetime Over Voltage Events	0	
eMotor A Lifetime Max Voltage	[redacted]	
eMotor A Lifetime Max Phase Current	[redacted]	
eMotor A Lifetime General Retry Events	0	
eMotor A Key Cycle Max Voltage	[redacted]	
eMotor A Key Cycle Max phase Current	[redacted]	
eMotor A Key Cycle General Retry Events	0	
eMotor B Lifetime Over Current w/o Over Voltage Events	0	
eMotor B Lifetime Over Current Events	[redacted]	
eMotor B Lifetime Over Voltage Events	0	
eMotor B Lifetime Max Voltage	[redacted]	
eMotor B Lifetime Max Phase Current	[redacted]	
eMotor B Lifetime General retry Events	0	
eMotor B key Cycle max Voltage	[redacted]	
eMotor B key Cycle max Phase Current	[redacted]	
eMotor B key Cycle General Retry Events	0	
eMotor A MTMR Fault Word	00 00 00	
eMotor B MTMR Fault Word	00 00 00	
GPS Date - Year	[redacted]	Year
GPS Date - Month	[redacted]	
GPS Date - Day	[redacted]	
UTC Time - Hours	[redacted]	
UTC Time - Minutes	0	
UTC Time -	[redacted]	
ECU Time	[redacted]	

ABSO | [redacted]0 | Stored | Implausible Data Received From Hybrid Control Module "A"-

NAME	VALUE	UNITS
DTC	[redacted]	
Test Failed		
Test Failed This Operation Cycle		
Pending DTC		
Confirmed DTC		
Test Not Completed Since Last Clear		

SessionID [redacted]

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT, 5 U.S.C. 552 (B) (6)

Test Failed Since Last Clear	[redacted]
Test Not Completed This Operation Cycle	
Warning Indicator Requested	
Occurrence flag	
Controller Event	
Mirror Memory	
Undervoltage Suspected	
Original Odometer Value	[redacted]
Most Recent Odometer Value	[redacted]
Frequency Counter	[redacted]
Ignition Cycle Counter	[redacted]
Fault Time	[redacted] S
Current System Mode	[redacted]
Previous System Mode	
Wheel Speed Left Front	[redacted]
Rotation Direction Left Front	
Wheel Speed Right Front	[redacted]
Rotation Direction Right Front	
Wheel Speed Left Rear	[redacted]
Rotation Direction Left Rear	
Wheel Speed Right Rear	[redacted]
Rotation Direction Right Rear	
Steering Wheel Angle	°
Longitudinal Acceleration	m/s^2
Yaw Rate	°/s
Supplier Internal Code	

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

SNAPSHOT DATA SUMMARY

No Snapshot Data available for [redacted]

No Snapshot Data available for [redacted]

No Snapshot Data available for [redacted]

No Snapshot Data available for [redacted]

No Snapshot Data available for [redacted]

No Snapshot Data available for [redacted]

No Snapshot Data available for [redacted]

No Snapshot Data available for [redacted]

No Snapshot Data available for [redacted]

No Snapshot Data available for [redacted]